Listing of Claims:

1. (original) A tone dialer, comprising:

a dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key.

2. (original) The tone dialer according to claim 1, wherein:

said dial buffer is circular.

3. (original) The tone dialer according to claim 1, further comprising:

a timer to time a generated length of tones when said dial buffer contains a plurality of non-null commands.

4. (original) The tone dialer according to claim 3, wherein:

when said dial buffer contains no more than one non-null command, said tone generator is adapted to generate said non-null tone until said second command is received.

5. (original) The tone dialer according to claim 1, wherein:

said dial buffer and said tone generator are comprised in a single processor device.

6. (original) The tone dialer according to claim 5, wherein:

said single processor device is a digital signal processor.

7. (original) The tone dialer according to claim 1, wherein:

said dial buffer is a first in, first out device.

8. (original) The tone dialer according to claim 1, wherein:

said dial buffer is adapted to contain a stop DTMF tone generator command in every other location.

9. (original) The tone dialer according to claim 1, wherein:

said generated tones are dual tone, multiple frequency tones.

10. (currently amended) A method of digitally generating tones, comprising:

inputting a plurality of tone ON commands into a dial buffer accessible by a first processor;

inputting a plurality of tone OFF commands into said dial buffer; and

sequentially presenting ~~said~~ an output sequence of tone command information based on a sequence of said tone ON commands and said tone OFF commands in said dial buffer, to a tone generator ~~; and generating tones on a continuous basis when only one non-null tone command is available in said dial buffer~~.

11. (currently amended) The method of digitally generating tones according to claim 10, further comprising:

generating tones on a fixed timing basis when more than one ~~non-null~~ tone ON command is available in said dial buffer.

12. (currently amended) Apparatus for digitally generating tones, comprising:

means for inputting a plurality of tone ON commands into a dial buffer accessible by a first processor;

means for inputting a plurality of tone OFF commands into said dial buffer; and

means for sequentially presenting ~~said~~ an output sequence of tone command information based on a sequence of said tone ON commands and said tone OFF commands in said dial buffer, to a tone generator ~~; and means for generating tones on a continuous basis when only one non-null tone command is available in said dial buffer~~.

13. (currently amended) The apparatus for digitally generating tones according to claim 12, further comprising:

means for generating tones on a fixed timing basis when more than one ~~non-null~~ tone ON command is available in said dial buffer,

14. (original) The apparatus for digitally generating tones according to claim 12, wherein:

said first processor is a digital signal processor

15. (original) The apparatus for digitally generating tones according to claim 12, wherein:

said digital signal processor includes a tone generator.

16. (original) The apparatus for digitally generating tones according to claim 12, wherein:

said dial buffer is circular.

17. (original) The apparatus for digitally generating tones according to claim 12, wherein said means for generating tones comprises:

a dual tone, multiple frequency tone generator.